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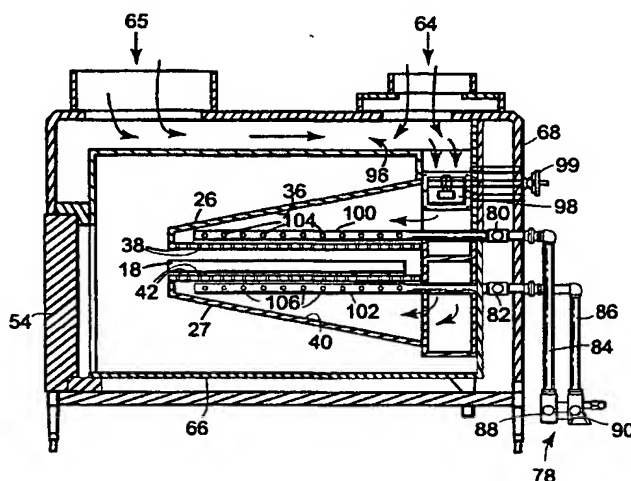
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(54) Title: IMPINGEMENT OVEN WITH STEAM INJECTION AND METHOD OF BAKING DOUGH PRODUCTS



(57) Abstract: An oven utilizes a convective heat transfer mechanism for cooking the food products where the oven provides heated gas in the form of columns or streams and which are directed to at least one surface of a food product within the oven. Steam is introduced within the convective heat transfer mechanism for creating a moisture environment substantially surrounding the entire food product during its baking. Such an oven permits baking food products, in particular dough products, and even more particular bagel products, by a convective heat transfer mechanism that provides for quicker and more even cooking of the food product while providing for the making of whatever level of moisture is desired about the food product for imparting a desirable characteristic to the food product. For bagel products, in particular, desirable surface sheen and texture characteristics can be achieved. The present invention is also directed to methods of cooking food products, in particular dough products, and even more particular bagel products, by way of such an oven.



# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A21B3/04 F24C15/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 965 435 A (SMITH DONALD P ET AL) 23 October 1990 (1990-10-23)  column 6, line 20 - line 28; figures ---	1-7, 9, 10, 12-14, 20, 21, 23-25, 27, 36-38
X	WO 89 00393 A (BELLAS INC) 26 January 1989 (1989-01-26) page 12, line 31 -page 13, line 5; figures ---	1-7
A	US 4 834 063 A (HWANG YONG Y ET AL) 30 May 1989 (1989-05-30) column 5, line 19 - line 25; figure 4 --- -/--	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with location, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 701 340 A (BRATTON RONALD E ET AL) 20 October 1987 (1987-10-20) abstract -----	1

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Information on patent family members

Inventor's application No

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